

HARI VIDYA BHAWAN

Date – 18/03/2020

WORK SHEET

SUBJECT – MATHEMATICS

CLASS – X

CHAPTER – 1. REAL NUMBER

SESSION - (2020-21)

1. Find out HCF of these number by Euclid's lemma algorithm.
(a.) 72 and 16 (b.) 225 and 110 (c.) 867 and 255
2. Express each number as a product of its prime factors by using factor tree method. **(Activity)**
(a.) 140 (b.) 156 (c.) 5005 (d.) 1000
3. Find out LCM of these number by factorisation method .
(a.) 12 and 15 (b.) 12 , 16 and 24 (c.) 8, 9 and 25
4. Find out HCF of these number by factorisation method .
(a.) 12 and 15 (b.) 12 , 16 and 24 (c.) 8, 9 and 25
5. Find the LCM and HCF of the following pairs of integers and verify that $LCM \times HCF =$ product of the two numbers.
(a.) 26 and 91 (b.) 18 and 24 (c.) 336 and 54

NOTES:-

Euclid's division lemma:-

Given positive integer a and b , there exist whole number q and r satisfying $a = bq+r, 0 \leq r < b$.

Ex:-

Q. Find out HCF of 72 and 16

$$\text{Sol}^n \quad 72 = 16 \times 4 + 8$$

$$16 = 8 \times 2 + 0$$

$$\text{HCF} = 8$$

Q. Find out prime factorization of 140.

$$\text{Sol}^n \quad 140 = 2 \times 2 \times 5 \times 7$$

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SUBJECT- SOCIAL SCIENCE
SESSION – 2020-21
WORK SHEET

HISTORY (Ch-1) The Rise of Nationalism In Europe

Q1. Which one of the following types of government was functioning in France before the Revolution of 1789?

- a) Dictatorship
- b) Military
- c) Body of French citizens
- d) Monarchy

Q2. Who was Frederic Sorrieu?

Q3. In which year Treaty of Vienna signed?

- a) 1811
- b) 1810
- c) 1815
- d) 1812

Q4. Is devotion to one's nation.

Q5. Which one of the following group of powers collectively defeated Napoleon?

- a) England, France, Italy, Russia
- b) England, Austria, Spain, Russia
- c) Austria, Prussia, Russia, Britain
- d) Britain, Prussia, Russia, Italy

Activity: - Write something about **Nationalism** and how we can create nation feeling among the nation. Give some examples also.